

# Gunk, Topology and Measure

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## Abstract

I argue that it may well be the case that space and time do not consist of points, indeed that they have no smallest parts. I examine two different approaches to such pointless spaces (to 'gunky' spaces): a topological approach and a measure theoretic approach. I argue in favor of the measure theoretic approach.

**Keywords:** Pointless space and time. Mereology, measure theory and topology.

**Subjects:** [Specific Sciences: Physics](#)

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